

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 1, par [0001], with the following rewritten paragraph:

-- This application claims the benefit of U.S. Provisional Application No. 60/432,203 filed 11 December 2002, which is herein incorporated in its entirety by reference. In addition, this application is related to U.S. Patent No. 6,880,790 ~~Application No. (not yet known)~~, filed 10/14/03, titled ~~"Sensor with Suction Cup Array Mount"~~ ~~<attorney docket number SI004 US>~~, and to U.S. Application No. 10/684,854 ~~(not yet known)~~, filed 10/14/03, titled "Colorimeter with Single Cable Low Impact Mounting System" ~~<attorney docket number SI005 US>~~. Each of these applications is herein incorporated in its entirety by reference.

Please replace the paragraph beginning at page 4, par [0015], with the following rewritten paragraph:

-- The device may also include a clamping block configured with three or more pressure bumps adapted to apply clamping pressure to the sensors during assembly of the device. During final assembly of one such embodiment, a clamping screw travels through at the clamping block and sensor locating element, and threads into a clamping screw hole in the tube block at a pre-defined torque. Each sensor can be configured with an inward dimple that is adapted to receive a corresponding pressure bump of the clamping block, thereby further contributing to self-aligning qualities of the device. The device may further ~~included~~ include a sensor shield that is adapted to prevent extraneous light from corrupting measurement accuracy. --

Please replace the paragraph beginning at page 8, par [0033], with the following rewritten paragraph:

The assembly procedure will be apparent from Figure 1. Three filter stacks 40, each of which includes a glass layer 40a and three filter layers 40b-d, are placed in respective cavities of the tube block 45. Each cavity has a centrally located light passage that travels through the tube block 45 to allow intake of light from a target surface. The sensor locating element 35 is placed onto the tube block 45 via center guide pins to secure the filter stacks 40 in their cavities. The lead frame PCB assembly 30 is placed into position on the tube block 45 via a set of end guide

pins. Three light-to-frequency sensors 25a and a light-to-voltage sensor 25b are placed in their respective positions, so that the lens of each sensor 25 is received into ~~[[an]]~~ a lens alignment hole of the sensor locating element 35, thereby enabling filtered light to be received via the corresponding light passage. The clamping block 15 is placed over the sensors 25 via the guide pins of the tube block 45. The clamping screw 10 is torqued to secure the assembly. The sensor leads can then be soldered to the PCB assembly 30. Note that functional testing of the device can be performed before and/or after the soldering (assuming the unsoldered leads are in proper electrical contact). The sensor shield 5 can be installed over and/or around the clamping block 15 to prevent extraneous light from entering the back of the device, which reduces measurement accuracy. Also, a removable dust cover (not shown) can be coupled with the target surface side of the tube block 45 to protect the device until its use. --

Please replace the paragraph beginning at page 15, par [0060], with the following rewritten paragraph:

-- In addition, mounting techniques can be employed to further improve the device performance, such as the mounting techniques described in U.S. Patent No. 6,880,790 ~~Application No. (not yet known), filed 10/14/03, titled "Sensor with Suction Cup Array Mount"~~ ~~<attorney docket number SI004-US>~~, and in U.S. Application No. 10/684,854 ~~(not yet known)~~, filed 10/14/03, titled "Colorimeter with Single Cable Low Impact Mounting System" ~~<attorney docket number SI005-US>~~. --